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CLAIMS:

What is claimed is:

- 1 1. A method, in a server, comprising:
2 receiving data from a server application;
3 determining whether the data is serializable; and
4 storing the data in a data structure and forwarding,
5 to a client, a reference to the data structure if the
6 data is not serializable.
- 1 2. The method of claim 1, wherein the data structure
2 comprises a hash table.
- 1 3. The method of claim 2, wherein the reference to the
2 data structure comprises a hash key.
- 1 4. The method of claim 1, further comprising:
2 receiving argument data from a client;
3 determining whether the argument data is a reference
4 to a complex object; and
5 retrieving the complex object from the data
6 structure if the argument data is a reference to a
7 complex object.
- 1 5. The method of claim 4, wherein the argument data
2 comprises an argument in a server application call.
- 1 6. The method of claim 5, further comprising:

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- 1 passing the complex object as the argument in the
2 server application call.
- 1 7. A method, in a server, comprising:
2 receiving argument data from a client;
3 determining whether the argument data is a reference
4 to a complex object; and
5 retrieving the complex object from a data structure
6 if the argument data is a reference to a complex object.
- 1 8. The method of claim 7, wherein the data structure
2 comprises a hash table.
- 1 9. The method of claim 7, wherein the reference to the
2 complex object comprises a hash key.
- 1 10. The method of claim 7, wherein the argument data
2 comprises an argument in a server application call.
- 1 11. The method of claim 10, further comprising:
2 passing the complex object as the argument in the
3 server application call.
- 1 12. An apparatus, in a server, comprising:
2 receipt means for receiving data from a server
3 application;
4 determination means for determining whether the data
5 is serializable; and

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1 storage means for storing the data in a data
2 structure and forwarding, to a client, a reference to the
3 data structure if the data is not serializable.

1 13. The apparatus of claim 12, wherein the data
2 structure comprises a hash table.

1 14. The apparatus of claim 13, wherein the reference to
2 the data structure comprises a hash key.

1 15. The apparatus of claim 12, further comprising:
2 means for receiving argument data from a client;
3 means for determining whether the argument data is a
4 reference to a complex object; and
5 means for retrieving the complex object from the
6 data structure if the argument data is a reference to a
7 complex object.

1 16. The apparatus of claim 15, wherein the argument data
2 comprises an argument in a server application call.

1 17. The apparatus of claim 16, further comprising:
2 means for passing the complex object as the argument
3 in the server application call.

1 18. An apparatus, in a server, comprising:
2 receipt means for receiving argument data from a
3 client;

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1 determination means for determining whether the
2 argument data is a reference to a complex object; and
3 retrieval means for retrieving the complex object
4 from a data structure if the argument data is a reference
5 to a complex object.

1 19. The apparatus of claim 18, wherein the data
2 structure comprises a hash table.

1 20. The apparatus of claim 18, wherein the reference to
2 the complex object comprises a hash key.

1 21. The apparatus of claim 18, wherein the argument data
2 comprises an argument in a server application call.

1 22. The apparatus of claim 21, further comprising:
2 means for passing the complex object as the argument
3 in the server application call.

1 23. A computer program product, in a computer readable
2 medium, comprising:
3 instructions for receiving data from a server
4 application;
5 instructions for determining whether the data is
6 serializable; and
7 instructions for storing the data in a data
8 structure and forwarding, to a client, a reference to the
9 data structure if the data is not serializable.

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- 1 24. A computer program product, in a computer readable
- 2 medium, comprising:
- 3 instructions for receiving argument data from a
- 4 client;
- 5 instructions for determining whether the argument
- 6 data is a reference to a complex object; and
- 7 instructions for retrieving the complex object from
- 8 a data structure if the argument data is a reference to a
- 9 complex object.

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